Appl. No. 10/626,182
Amdt. dated 08/08/2006
Reply to Office Action of 07/20/2006

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listing of claims, in the Application.

Listing of claims:

1.   (Currently amended) A method of improving fault-based multi-page pre-fetches comprising the steps of:

assigning a value to a file when the file is opened, the value for determining whether previous data has been read from a random access memory (RAM) or from a storage device;

determining whether data from a the file is being read randomly or sequentially upon receiving a request to read data from the file, the request including a range of data to be read, the range of data spanning more than one page;

determining, if data is being read randomly from the file, whether previous data has been read from the RAM a random access memory (RAM) or from a the storage device;

determining, using the range of data, how much data to read; and

attempting to read the data from the RAM if previous data has been read from the RAM or read the data all at once from the storage device using only one page fault if previous data has been read from the storage device; and

increasing the value by an award if the requested data is in the RAM.

AUS920030464US1

Appl. No. 10/626,182
Amdt. dated 08/08/2006
Reply to Office Action of 07/20/2006

2.   Canceled.

3.   Canceled.

4.   Canceled.

5.   (Currently amended) The method of Claim [[4]] 1 wherein if it is determined that previous data was read from the RAM, the value is decreased by a penalty if the requested data is not in the RAM.

6.   (Original) The method of Claim 5 wherein if it is determined that previous data was read from the storage device, the value is increased by the award.

7.   (Original) The method of Claim 6 wherein the penalty is larger than the award.

8.   (Currently amended) A computer program product on a computer readable medium for improving fault-based multi-page pre-fetches comprising:

code means for assigning a value to a file when the file is opened, the value for determining whether previous data has been read from a random access memory (RAM) or from a storage device;

code means for determining whether data from a the file is being read randomly or sequentially upon receiving a request to read data from the file, the request including a range of data to be read, the range of data spanning more than one page;

AUS920030464US1

Page 3 of 7

Appl. No. 10/626,182
Amdt. dated 08/08/2006
Reply to Office Action of 07/20/2006

code means for determining, if data is being read randomly from the file, whether previous data has been read from the RAM a-random-access memory-(RAM) or from a the storage device;

code means for determining, using the range of data, how-much data to read; and

code means for attempting to read the data from the RAM if previous data has been read from the RAM or read the data all at once from the storage device using only one page fault if previous data has been read from the storage device; and

code means for increasing the value by an award if the requested data is in the RAM.

9.   Canceled.

10.   Canceled.

11.   Canceled.

12.   (Currently amended) The computer program product of Claim 44 8 wherein if it is determined that previous data read was from the RAM, the value is decreased by a penalty if the requested data is not in the RAM.

13.   (Original) The computer program product of Claim 12 wherein if it is determined that previous data was read from the storage device, the value is increased by the award.

AUS920030464US1

Appl. No. 10/626,182
Amdt. dated 08/08/2006
Reply to Office Action of 07/20/2006

14.   (Original) The computer program product of Claim 13 wherein the penalty
       is larger than the award.

15.   (Currently amended) A computer system comprising:

       at least one storage device for storing code data; and

       at least one processor for processing the code data to assign a value to a
       file when the file is opened, the value for determining whether previous
       data has been read from a random access memory (RAM) or from a
       storage device, to determine whether data from a the file is being read
       randomly or sequentially upon receiving a request to read data from the
       file, the request including a range of data to be read, the range of data
       spanning more than one page, to determine, if data is being read
       randomly from the file, whether previous data has been read from the
       RAM a random access memory (RAM) or from a the storage device, to
       determine, using the range of data, how much data to read, and to attempt
       to read the data from the RAM if previous data has been read from the
       RAM or read the data all at once from the storage device using only one
       page fault if previous data has been read from the storage device, and to
       increase the value by an award if the requested data is in the RAM.

16.   Canceled.

17.   Canceled.

18.   Canceled.

AUS920030464US1

Page 5 of 7

Appl. No. 10/626,182
Amdt. dated 08/08/2006
Reply to Office Action of 07/20/2006

19.   (Currently amended) The computer system of Claim ~~18~~ 15 wherein if it is determined that previous data was read from the RAM, the value is decreased by a penalty if the requested data is not in the RAM.

20.   (Original) The computer system of Claim 19 wherein if it is determined that previous data was read from the storage device, the value is increased by the award.

21.   (Previously presented) The computer system of Claim 20 wherein the penalty is larger than the award.

AUS920030464US1

Page 6 of 7